IAP15 Rec'd PCT/PTO 19 JUN 2006

FORM PT	0-1390	(Modified) U.S. PATENT AND TRADEMA	ATTORNEY'S DOCKET NUMBER						
REV. 7-20	005)•	NSMITTAL LETTER 1	19956						
	D	ESIGNATED/ELECTE	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)						
C		CERNING A SUBMISS	10/58342 9						
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE				PRIORITY DATE CLAIMED					
PCT/JP2004/019462 17 December 2004 (17.12.2004)				17 December 2003 (17.12.2003)*					
TITLE (OF IN	VENTION ATION OF A MULTILIEVEL	OHADBATURE AMPLITURE MODULA	ATION SIGNAL					
DEMODULATION OF A MULTI-LEVEL QUADRATURE AMPLITUDE MODULATION SIGNAL									
ADDI IC	APPLICANT(S) FOR DO/EO/US								
Rene Becker and Edwin Chung									
Applica	nt he	rewith submits to the United State	es Designated/Elected Office (DO/EO/US) the f	ollowing items and other information:					
1.	×	This is a FIRST submission of ite	ems concerning a submission under 35 U.S.C.	371.					
2.		This is a SECOND or SUBSEQU	JENT submission of items concerning a submis	sion under 35 U.S.C. 371.					
3.	×	This is an express request to beg	gin national examination procedures (35 U.S.C.	371(f)). The submission must include items (5), (6),					
		(9) and (24) indicated below. The US has been elected (Article	21)						
4. 5.		•	cation as filed (35 U.S.C. 371 (c)(2))						
Э.	EN.		uired only if not communicated by the Internation	onal Bureau).					
			ed by the International Bureau.						
			application was filed in the United States Receive	ving Office (RO/US).					
6,	×	An English language translation	of the International Application as filed (35 U.S.	C. 371(c)(2)).					
		a. 🛛 is attached hereto.							
p			ubmitted under 35 U.S.C. 154(d)(4).						
7.	\boxtimes		e International Application under PCT Article 19						
			equired only if not communicated by the Internal	tional Bureau).					
			ited by the International Bureau. nowever, the time limit for making such amendr	nents has NOT expired.					
				,-·					
.8.			of the amendments to the claims under PCT A	rticle 19 (35 U.S.C. 371(c)(3)).					
9.	×	An oath or declaration of the inv							
10.			An English language translation of the annexes to the International Preliminary Examination Report under PCT						
11.		A copy of the International Preli	minary Examination Report (PCT/IPEA/409).						
12.	\boxtimes	A copy of the International Sear	ch Report (PCT/ISA/210).						
Items 13 to 23 below concern document(s) or information included:									
13.	\boxtimes	An Information Disclosure State	ement under 37 CFR 1.97 and 1.98.						
14.	\boxtimes	An assignment document for re	cording. A separate cover sheet in compliance	with 37 CFR 3.28 and 3.31 is included.					
15.		A FIRST preliminary amendment.							
16.		A SECOND or SUBSEQUENT	preliminary amendment.						
17: 18.*	17: A substitute specification. 18. A power of attorney and/or change of address letter.								
		•	e sequence listing in accordance with PCT Rule	e 13ter.2 and 37 CFR 1.821 - 1.825.					
19. 20.			International Application under 35 U.S.C. 154(
21.									
22.									

DRC'OPCT/PTO 19 JUNT 21305 Nev. 07-2005)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it displays a valid OMB control number.

Inder the Paperwork Reduction Act of 1995, no persons at	e required to respond to a concentration minimate	AT CAMBOO IN CASPACION
LLC ADDITION NO (if known see 37 CER 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER

PCT/JP2004/019462

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23.

J.

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*Priority Date Claimed: 15 December 2004 (15.12.2004) Eight (8) sheets of drawings Assignee: NEC CORPORATION of Tokyo, Japan

	fees have been s			PTO USE				
24. Basic national fee							300.00	
25. ☑ Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article All other situations. \$200							s200.00	
26. Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) Search fee (37 CFR 1.492(b)) Search fee (3							\$400.00	
TOTAL	OF 24, 25 and	26 =				\$ 5	\$900.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.								
Total Sheets	Extra Sheets		per of each additional 50 of thereof (round up to a wh		RATE			
- 100 =	0 /50 =		0		× \$250.00	\$	\$0.00	
Surcharge of \$13 declaration after	0.00 for furnishing	any of the	e search fee, examination of the national stage (37	fee, CFR	or the oath or 1.492(h)).	\$		
CLAIMS	NUMBER F	ILED	NUMBER EXTRA		RATE			
Total claims	14	- 20 =	0	х	\$50.00	\$	\$0.00	
Independent clair	ms 2	- 3=	0	x	\$200.00	\$	\$0.00	
MULTIPLE DEPE	MULTIPLE DEPENDENT CLAIMS (if applicable) → \$360.00							
			OTAL OF ABOVE CA			\$ \$ 1	1,260.00	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.							\$0.00	
					SUBTOTAL =	= \$ \$	1,260.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).							\$0.00	
TOTAL NATIONAL FEE =							1,260.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +							\$0.00	
TOTAL FEES ENCLOSED =							1,260.00	
							be	\$
						Amount to	be	\$

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PTO-1390 (Rev. 07-2005)

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a. 🔀 A check in the amount of \$ \$1,260.00	to cover the about 20 Record CT	/PTO 19 JUN 2006					
b. Please charge my Deposit Account No. A duplicate copy of this sheet is enclosed.	in the amount of \$	to cover the above fees.					
c. The Commissioner is hereby authorized to charg to Deposit Account No. 19-1013/SSMP . A		ired, or credit any overpayment					
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.							
SEND ALL CORRESPONDENCE TO:							
Customer No.: 23389							
Scully, Scott, Murphy & Presser, P.C.	Paul J. Esatto,	Paul J. Esatto, Jr.					
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	REGISTRATION	REGISTRATION NUMBER					
	June 19, 2006						
1	DATE						

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CERTIFICATE OF Applicant(s): Rene Bec	Docket No. 19956				
Application No.	Filing Date Herewith	Examiner Unassigned	Customer No. 23389	Group Art Unit Unassigned	
Invention: DEMODULAT MODULAT	ATION OF A MULTI-L TION SIGNAL	EVEL QUADRATURE AMPLITUDE	C		
	ne following corresponde				
	th the United States Pos ope addressed to: Com June 19, 2006	dentify type of correspondence) stal Service "Express Mail Post Office missioner for Patents, P.O. Box 1450			
Paul J. Esatto, Jr. (Typed or Printed Name of Person Mailing Correspondence) (Signature of Person Mailing Correspondence) EV 861632881 US ("Express Mail" Mailing Label Number)					
	Note: Each pap	oer must have its own certificate of mailing.			